RANCENT
TECHNOLOGIES

HIGH SPEED DOME CAMERA
USER'S MANUAL

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1 Precautions

1.Transportation Security

No heavy stress, violent vibration or water splash are allowed during transportation,storage.The unit should be transported in separated packing.In shipments of distributor and delivery of maintenance,any damages caused by integral packing are not covered by warranty.

2.Installation

Avoid heavy stress and violent vibration during installation. Don't touch the dome cover directly by hand. When connecting the power source, please follow all electric safety standards and only use the power supply designated for this device. Keep the video and control signal in a decent distance from high voltage devices and cable. Don't apply power to the dome before finishing the installation.

3.Internal Environment

Keep metal and inflammable material away from dome body to avoid fire, short circuit and damage. Please prevent all liquids material from entering the dome. If occur this, please shut down the power and pull out the plug. Then inform the technical personnel immediately.

4.Electrical Safety

The video image would be interfered when the dome is installed near television, radio transmitter,voltage changer and audio amplifier.

5.Camera Protection

Avoid shooting very bright objects directly into the camera's CCD (such as the sun or light fittings).

6.Cleaning Method

Please don't use abrasive and violent detergent to clean the dome. Please choose dry fabric and neutral detergent. Use lens paper to clean the lens.

2 Features

2.1 Built-in Decoder

- 220 programmable presets
- 8 cruising tracks, each cruising track has 32 preset positions
- 4 pattern tours, each one with 600s memory
- RS-485 bus
- 8 groups of auto scan, the left and right boundary and scan speed can be set
- Pelco_P and Pelco_D HS compatible
- 4 alarm inputs and 2 outputs
- Guard location, the dome can operate preset, auto scan, cruising and pattern tours functions after a short pause
- Alarm triggering, the alarm can trigger preset, auto scan, cruising and pattern tours functions.

2.2 Integrated Universal Speed Change Rotator

- Delicate stepping motor, stable, sensitive and accurate
- 360°continuous pan without blind area
- Stepless speed change, auto zoom/speed matching
- Auto overturn function
- Manual speed: Pan: 0.01°- 180°/S, Tilt: 0.01°- 120°/S
- Presets calling speed: 600°/S

2.3 Built-in High Definition Day/Night Camera

- Auto iris, auto back light compensation
- Auto/manual white balance
- Auto/manual focus
- Auto/manual brightness control
- Multiple kinds of camera for options

2.4 All-weather Outdoor Design

- Built-in heater
- Built-in fan, can operate in 60℃
- High Die-cast Aluminum Construction
- IP66 water proof
- 3000V lightning and surge current proof

3 Technical Data

PowerPower Supply	AC24V/2.5A
Operating Temperature	-35 °C—60°C
Operating moisture	< 95%
Power Consumption	55W
Communication	RS-485 bus
Communication transmission speed	2400/4800/9600BPS
Protocols	Pelco-D, Pelco-P,HS
Pan speed	0.01°-180° /s
TitIt speed	0.01° -120° /s
Pan/Tilt Accuracy	+/- 0.05°
Preset Speed	600°/s
Pan Angle	360° Continuously
Tilt Angle	90°
Preset Positions	220
Auto Scan	8 Groups
Cruise Track	8 Groups
Cruise Points Qty per cruise group	32 Preset Positions
Pattern Tours	4 Groups
Alarm	4 alarm inputs and 2 outputs
Privacy Zone	8 zones
Protection	IP66 water proof/3000V lightning proof

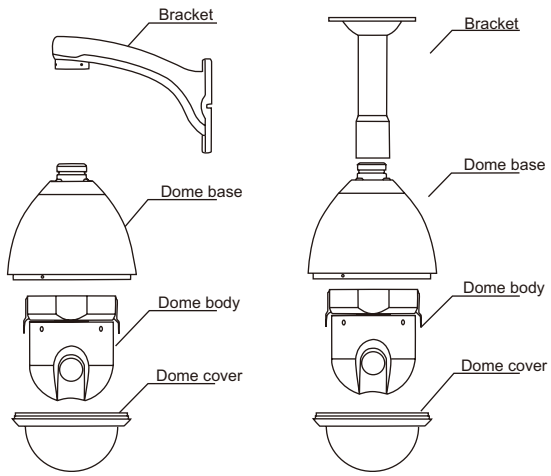
4 Installation Guide

4.1 Installation Preparation

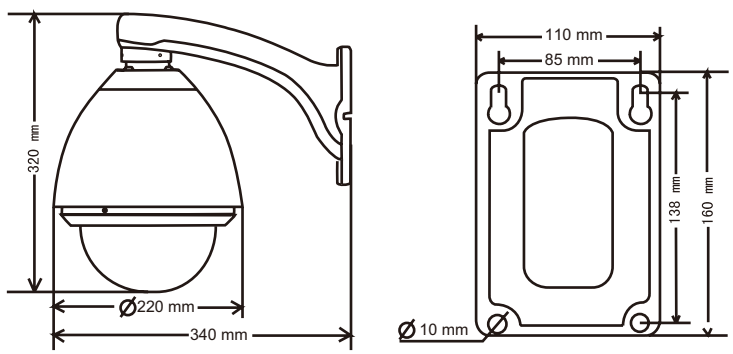
Video Coaxial Cables

Mode	Max Distance
RG59/U	750ft(229m)
RG6/U	1,000ft(305m)
RG11/U	1,500ft(457m)

4.2 Structure



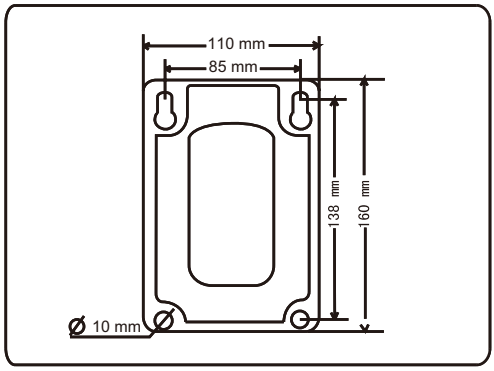
4.3 Installation Size



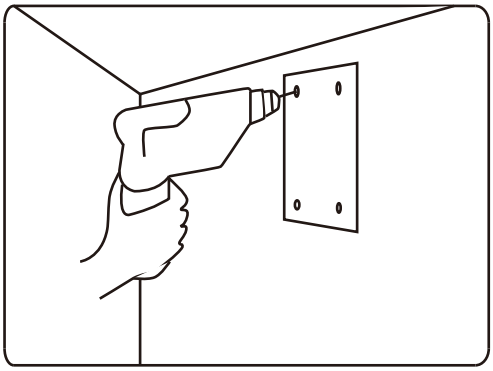
4.4 Installation Procedures

*Notice: The wall must be thick enough to install the expansion screws and can bear 4 times the weight of the dome camera itself.

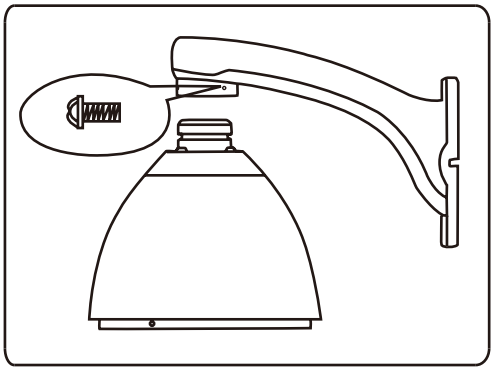
(1) Bore 4 holes by using templates included on the wall.



(2) Mount 4 expansion screws into the holes

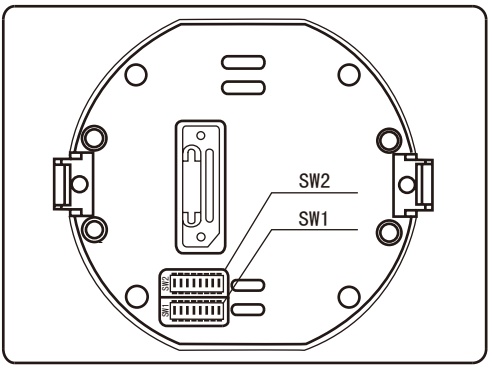


(3) Put the cables through the bracket. Fix the dome base and the bracket with M5 screws.

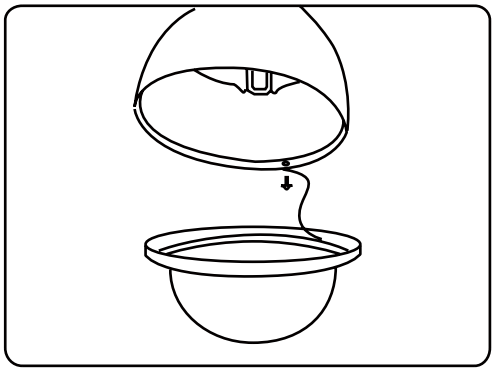


(4) Use screw-caps and shims to fix the bracket on the wall.

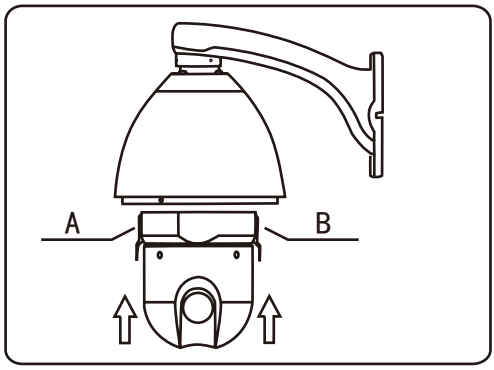
(5) Set the dome address, system baud rate and protocol by configuring DIP switches SW1 and SW2 located on the bottom of dome body. The Plug-in on the dome body must be seated rightly with the socket on the dome base.



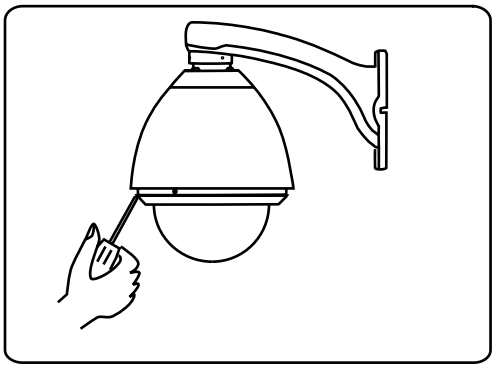
(6) Attach the dome cover to the dome base with rope.



(7) To lock the dome body to the dome base, line up the A and B tabs on the dome body with the A and B label on the dome base. Push in on the tabs. Insert one side and then the other side. Continue pushing one the ends of the tabs until both sides click into place. Make sure the plug-in on the dome body is fully locked by the socket on the dome base. Then press the dome body lightly and check if the dome body is fully locked to avoid shedding and abrasion with the dome cover.

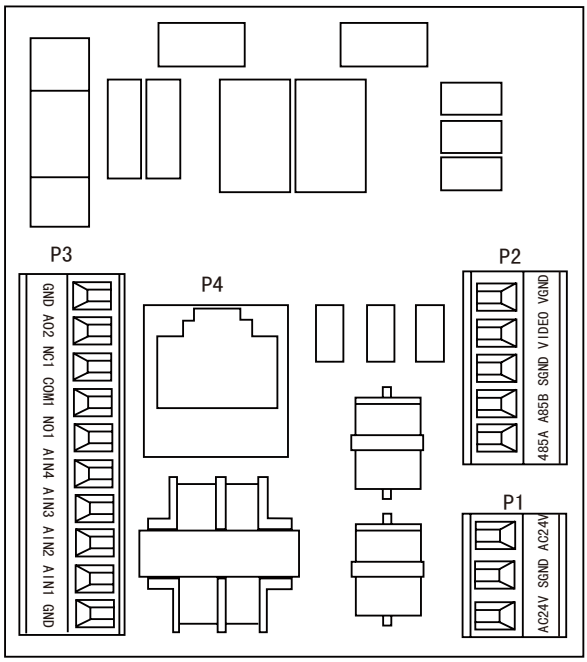


(8) Fix the dome cover with screws.



5 Settings

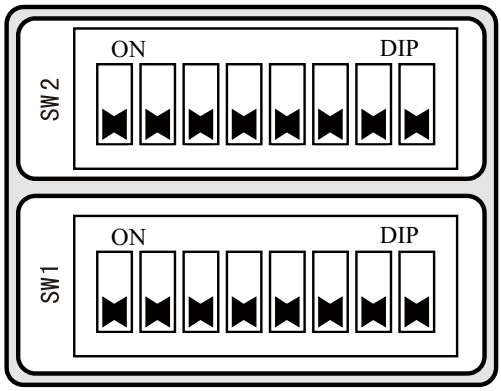
5.1 Interface



Port		Comments
P1 Power	AC24V	AC24V Input
	SGND	Shell ground
P2 Video Control	VIDEO	Video signal
	VGND	Video ground
	485A	485A Control line
	485B	485B Control line
	SGND	Shell ground
P3 Alarm	GND	Alarm input ground
	AIN1-4	Alarm input
	COM1	Alarm output 1 common
	NO1	Alarm output 1 normal open
	NC1	Alarm output 1 normal close
	AOD2	Alarm output 2 open drain
P4	Net	Net port

5.2 Dome Address, Transmission Speed, Protocol Setting

Before the dome is installed,the communication protocol, baud rate and dome address, should be confirmed.Set the DIP switch, keeping the setting consistent with the control system. The relative DIP switch site and connecting wires are diagramed below for reference.



SW1 is address setting switch,SW2 is protocol setting switch.
Note:SW2-6 Soft address enable bit; SW2-7 120Ω.

Protocol Setting

Protocol	SW2-1	SW2-2	SW2-3	SW2-4
HS	OFF	OFF	OFF	OFF
PELCO P	ON	OFF	OFF	OFF
PELCO D	OFF	ON	OFF	OFF
Reserve	...	...	...	...

Transmission Speed Setting

Baud Rate	SW2-5	SW2-6
9600	OFF	OFF
4800	ON	OFF
2400	OFF	ON
Reserve	...	...

Dome Address Setting

PELCO-P & HS protocol

Address	SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
1	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0
3	0	1	0	0	0	0	0	0
4	1	1	0	0	0	0	0	0
5	0	0	1	0	0	0	0	0
6	1	0	1	0	0	0	0	0
7	0	1	1	0	0	0	0	0
8	1	1	1	0	0	0	0	0
9	0	0	0	1	0	0	0	0
10	1	0	0	1	0	0	0	0
11	0	1	0	1	0	0	0	0
12	1	1	0	1	0	0	0	0
13	0	0	1	1	0	0	0	0
14	1	0	1	1	0	0	0	0
15	0	1	1	1	0	0	0	0
16	1	1	1	1	0	0	0	0
17	0	0	0	0	1	0	0	0
18	1	0	0	0	1	0	0	0
19	0	1	0	0	1	0	0	0
20	1	1	0	0	1	0	0	0
21	0	0	1	0	1	0	0	0
22	1	0	1	0	1	0	0	0
23	0	1	1	0	1	0	0	0
24	1	1	1	0	1	0	0	0
25	0	0	0	1	1	0	0	0
26	1	0	0	1	1	0	0	0
27	0	1	0	1	1	0	0	0
28	1	1	0	1	1	0	0	0
29	0	0	1	1	1	0	0	0
30	1	0	1	1	1	0	0	0
31	0	1	1	1	1	0	0	0
32	1	1	1	1	1	0	0	0
...	...	...	...	...	...	...	...	...
254	1	0	1	1	1	1	1	1
255	0	1	1	1	1	1	1	1

PELCO-D protocol

Address	SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
1	1	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0
5	1	0	1	0	0	0	0	0
6	0	1	1	0	0	0	0	0
7	1	1	1	0	0	0	0	0
8	0	0	0	1	0	0	0	0
9	1	0	0	1	0	0	0	0
10	0	1	0	1	0	0	0	0
11	1	1	0	1	0	0	0	0
12	0	0	1	1	0	0	0	0
13	1	0	1	1	0	0	0	0
14	0	1	1	1	0	0	0	0
15	1	1	1	1	0	0	0	0
16	0	0	0	0	1	0	0	0
17	1	0	0	0	1	0	0	0
18	0	1	0	0	1	0	0	0
19	1	1	0	0	1	0	0	0
20	0	0	1	0	1	0	0	0
21	1	0	1	0	1	0	0	0
22	0	1	1	0	1	0	0	0
23	1	1	1	0	1	0	0	0
24	0	0	0	1	1	0	0	0
25	1	0	0	1	1	0	0	0
26	0	1	0	1	1	0	0	0
27	1	1	0	1	1	0	0	0
28	0	0	1	1	1	0	0	0
29	1	0	1	1	1	0	0	0
30	0	1	1	1	1	0	0	0
31	1	1	1	1	1	0	0	0
32	0	0	0	0	0	1	0	0
...	...	...	...	...	...	...	...	...
253	1	0	1	1	1	1	1	1
254	0	1	1	1	1	1	1	1

6 Preset Setting

Speed dome camera supports 220 preset positions. The code numbers 1- 64 and 100-255 represent the 220 preset positions. You can activate some special functions by calling upon code number 65-99.

NO.	Command	Command packet	Comments
1	Start Auto Scan	Call 99	Default to start the first group of auto scan
2	Start Sequence	Call 98	Default to start the first group of sequence
3	Start Pattern Tours	Call 97	Default to start the first group of Pattern Tours
4	Start the scan of group	Call 80 + call pp + call 99	PP means group No.1-8
5	Start sequence of group N	Call 80 + call pp + call 98	PP means group No.1-8
6	Start pattern tour of group N	Call 80 + call pp + call 97	PP means group No.1-4
7	Stop Auto mode End setting	Call 96	
8	Open the menu	Call 95	
9	Remote reset	Call 94	
10	Restore factory default setting	Call 82	

7 The OSD Menu Setting

Operation Method of the Menu:

1.Access main menu (call preset 95).

2.Use the joystick to position the cursor beside menu selection.

NOTE:

If your controller does not have a joystick, use the up or down key.

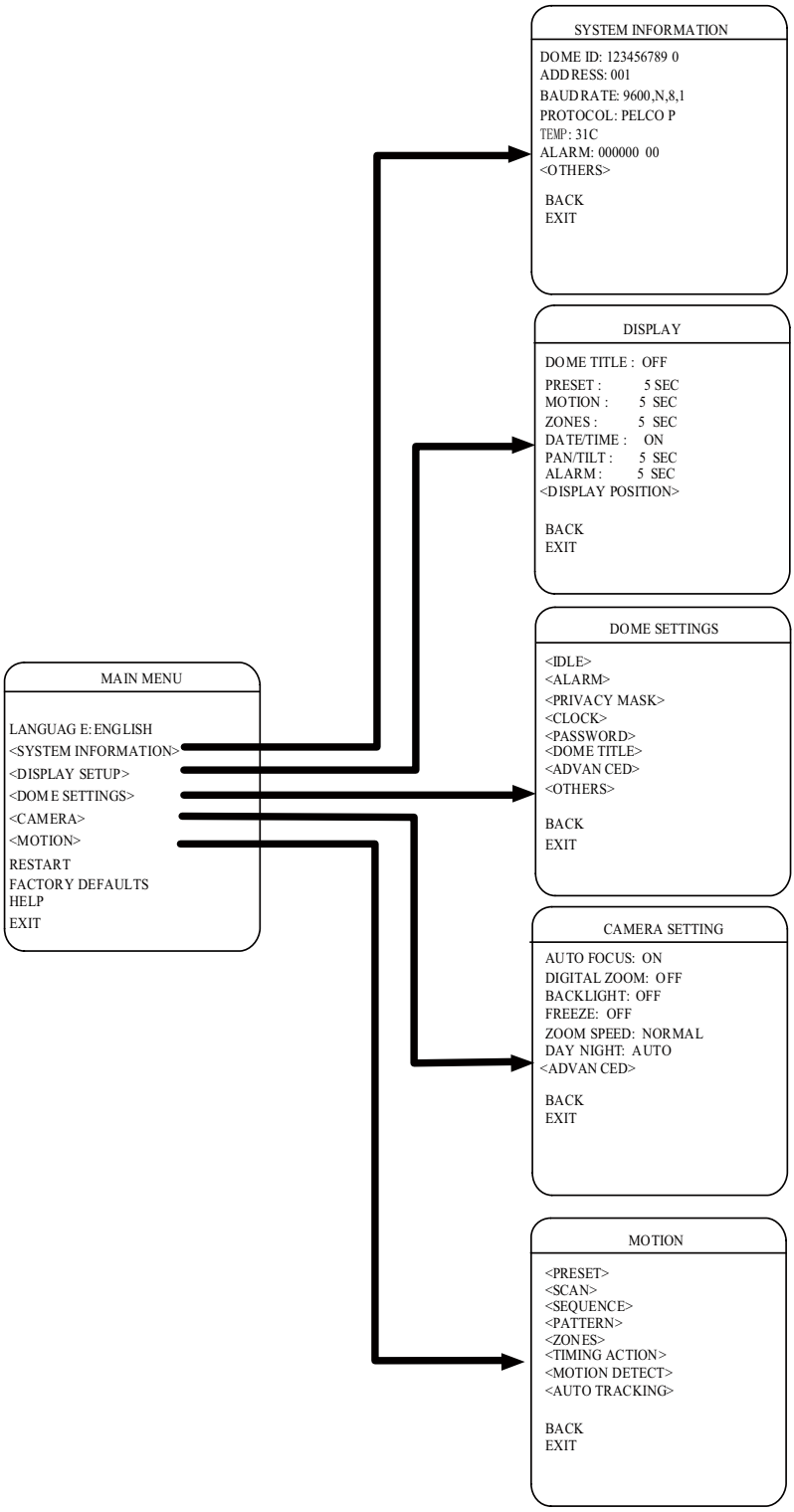
3.Press Iris Open, the submenu/cursor moves to the right.

4.Move the joystick up or down to view selections.

5.Press Iris Open to make selection.

6.Press Iris Close to cancel selection.

OSD Menu Tree



LANGUAGE

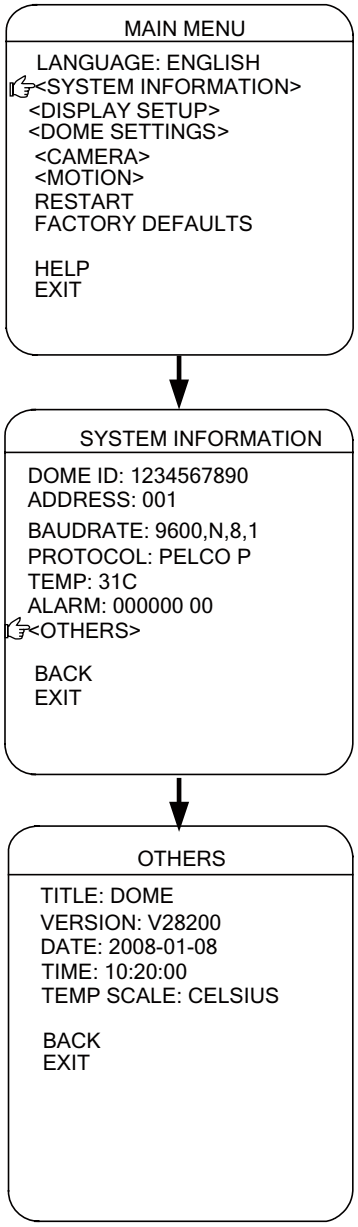
The language for the on-screen menus is selectable. Available languages include English and Chinese.

To change the display language:

1. Use the joystick to position the cursor beside LANGUAGE.
2. Press Iris Open. The cursor moves to the right, beside the current, selected language.
3. Move the joystick up or down to view selections. Press Iris Open to enter selection.

All on-screen menus are changed to the selected language.

SYSTEM INFORMATION



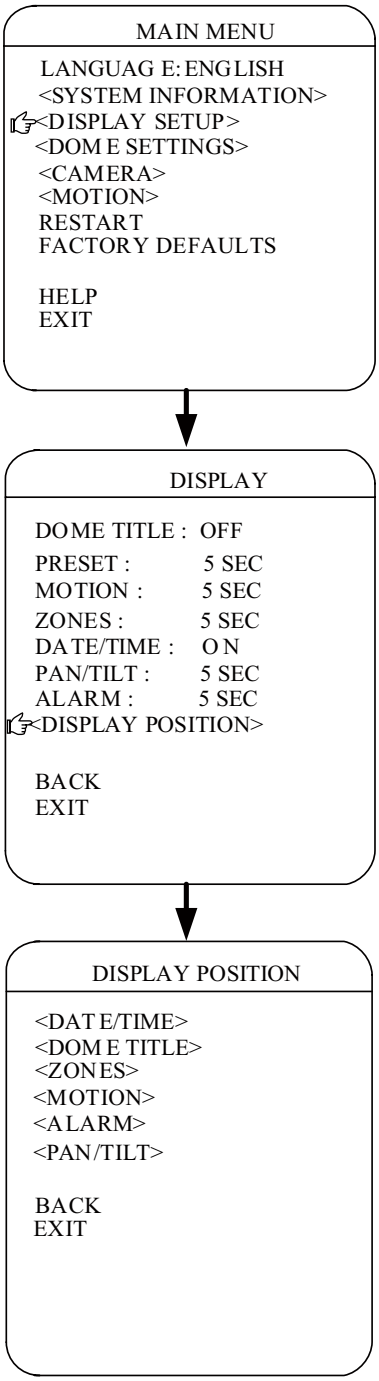
The System Information screen displays dome drive model, software version, and other diagnostic information.System settings cannot be changed using this screen. This screen is for reference only.

Use the following steps to display the System Information screen:

1. Use the joystick to position the cursor beside SYSTEM INFORMATION.

2. Press Iris Open. The SYSTEM INFORMATION screen opens.

DISPLAY SETUP



Display setup allows you to program how labels are displayed on the monitor.

The following settings are available for each label:

OFF Label is not displayed when activated.

ON The label is continually displayed when activated.

2 SEC The label is displayed for 2 seconds after activation.

5 SEC The label is displayed for 5 seconds after activation.

10 SEC The label is displayed for 10 seconds after activation.

Labels can be placed anywhere on the monitor. This feature allows you to customize the appearance of your monitor screen. To set a label position:

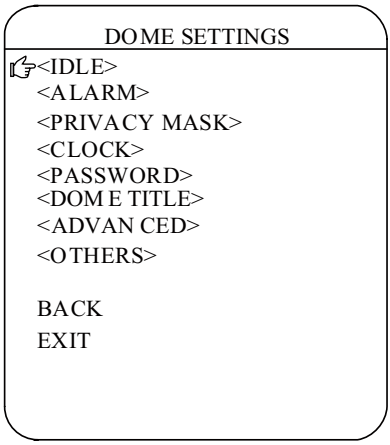
1. Use the joystick to position the cursor beside a label.
2. Press Iris Open.
3. Use the joystick to move the label up, down, left, or right.
4. Press Iris Open.
5. Repeat steps 1 through 4 to position other labels.
6. Position the cursor next to BACK or EXIT. Press Iris Open to save settings and exit menu.

IDLE ACTION

Idle Time

This feature allows the dome to begin a specified operation (scan, preset, or pattern) after a programmed time of inactivity.

Idle time can be programmed from 30 seconds to 30 minutes.



Idle Action

The following settings are available:

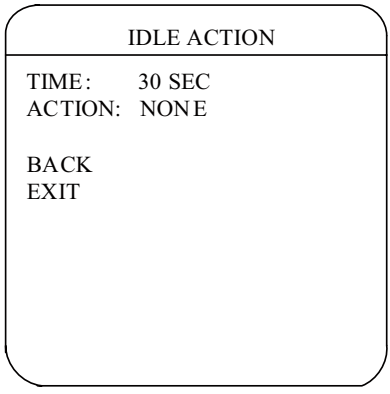
NONE (default) No action.

PRESET Dome goes to preset 1.

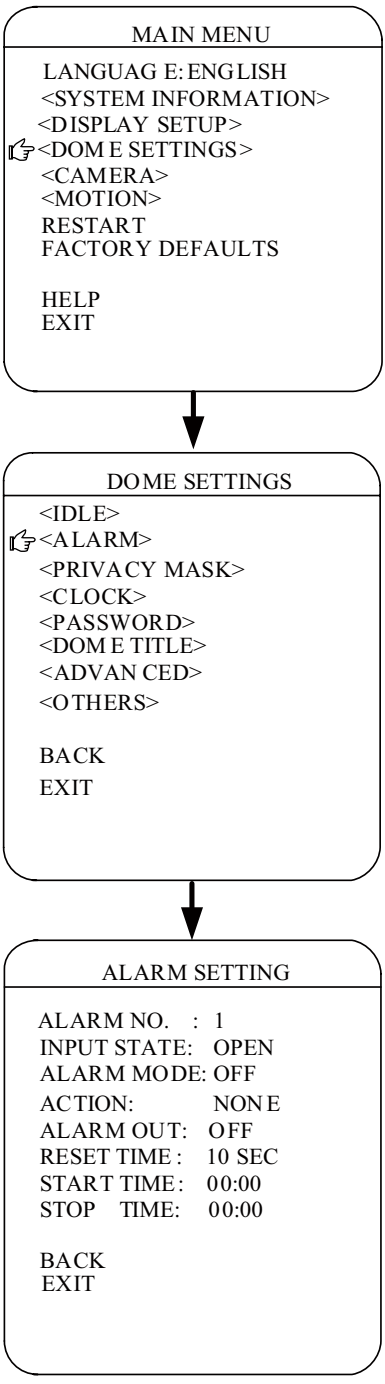
SCAN Dome starts auto scan operation.

SEQ Dome runs sequence 1.

PATTERN Dome runs pattern 1.



ALARM



The dome system has 4 alarm inputs and 2 alarm outputs. When an alarm is received, an input signal to the dome triggers the user defined action (go to preset, run pattern, etc.)

INPUT STATE

Used to Set the alarm contact.There are two input states,OPEN and CLOSE.

OPEN Normally open.

CLOSE Normally close.

ALARM MODE

OFF Alarm function is deactivated.

ON Alarm function is activated.

AUTO Alarm function will be activated . between START TIME and STOP TIME.

ACTION

Set the alarm action:

NONE (default) No action.

PRESET Dome goes to preset.

SCAN Dome starts auto scan operation.

SEQ Dome runs sequence.

PATTERN Dome runs pattern.

ALARM OUT

Set the auxiliary to activate:

OFF Not activated.

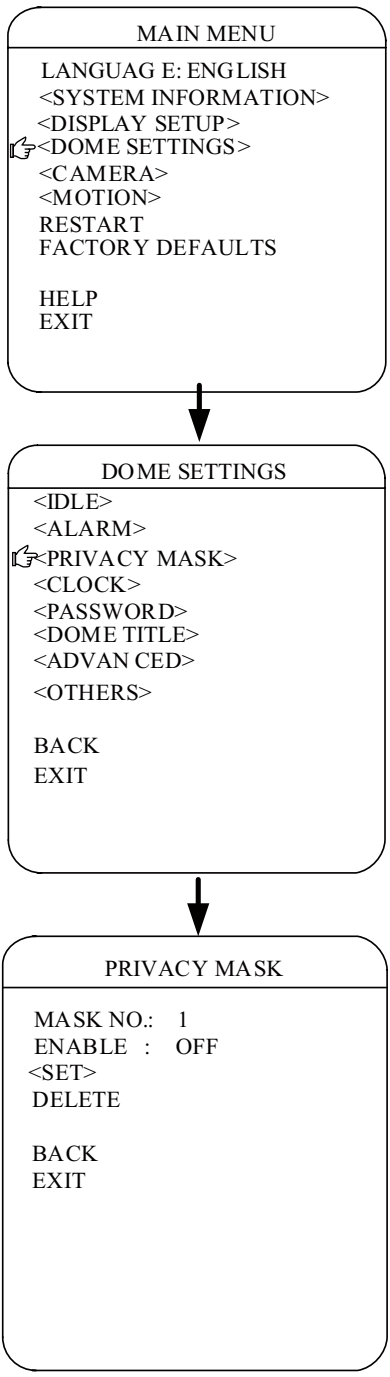
OUT1 An alarm action will close AUX 1.

OUT2 An alarm action will activate AUX 2 open drain output.

ALL Both AIX 1 and AUX 2 are activated

RESET TIME This is the amount of time the dome deactivates the alarm ouputs.

PRIVACY MASK



Privacy mask allows a user to program areas that cannot be viewed by the operator of the dome system. A blanked area will move with pan and tilt functions and automatically adjust in size as the lens zooms telephoto and wide.

MASK NO.

Move the cursor to MASK NO. to set the NO. of privacy mask zone.

ENABLE

Move the cursor to to enable or disable the privacy mask zone.

SET

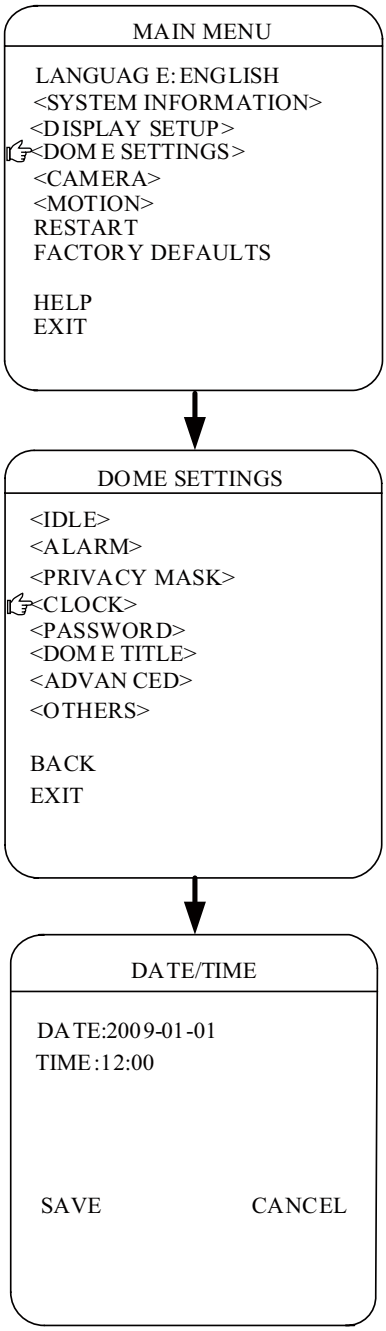
Move the cursor to SET and press Iris Open to enter the edition mode of privacy mask zone.

Then the sentence “PRESS IRIS OPEN TO CONFIRM” will be displayed on the monitor. Use joystick to move the dome to the area you want to cover and press IRIS OPEN to confirm. There will be a privacy zone in the middle of the monitor. Move joystick up, down, left and right to adjust the size of privacy zone.

DELETE

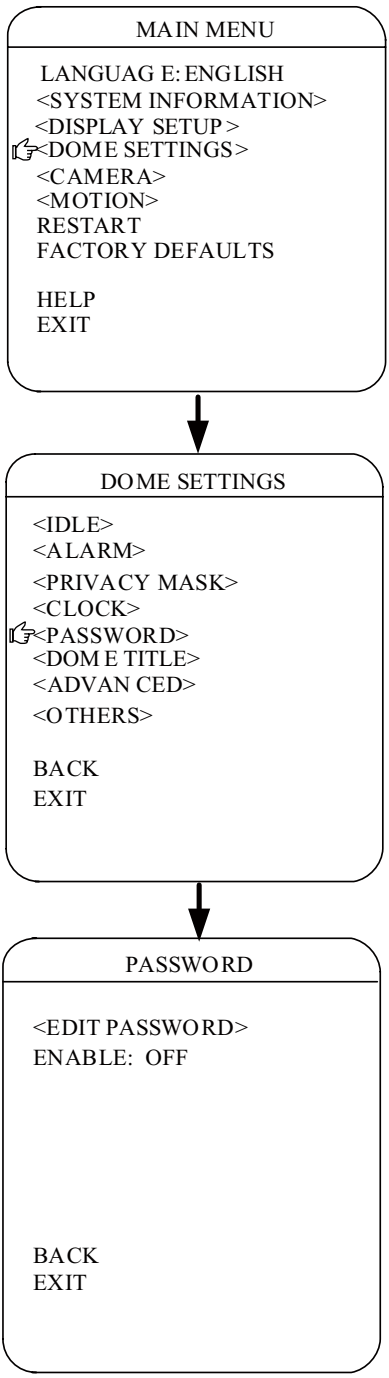
Move the cursor to DELETE and press IRIS OPEN to delete the current privacy zone.

CLOCK



The clock is used to program the current date and time. The date and time set in the Clock menu is used to program events. The date and time can also be displayed on the monitor when the menus are not being accessed.

PASSWORD



The dome features password protection to prevent unauthorized changes to the dome settings. An operator cannot access any of the dome settings menus without a valid password.

EDIT PASSWORD

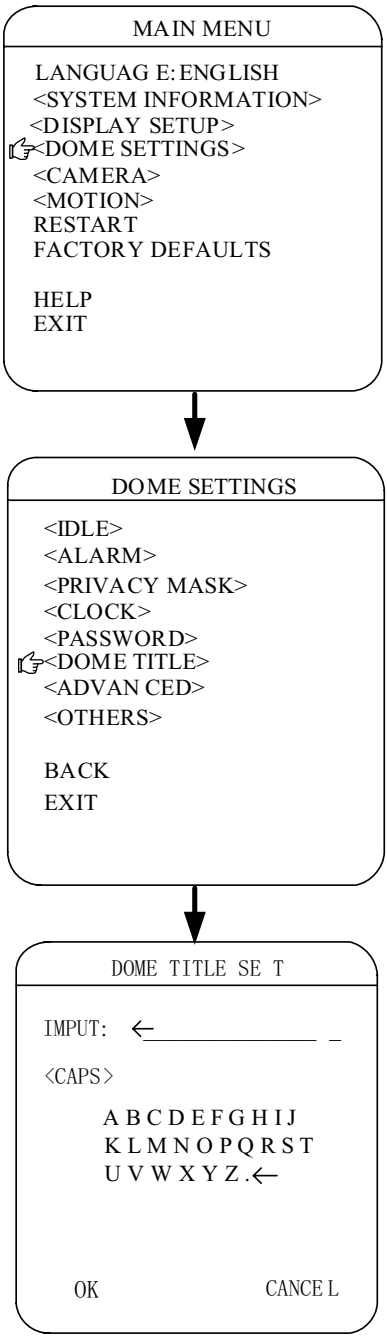
At least one character must be entered to create a valid password.

ENABLE

ON Enable password protection.

OFF Disable password protection.

DOME TITLE



Dome title is the label used to identify the camera viewed on the monitor. Up to 12 characters can be used for a title.
To edit the title text label, do the following:

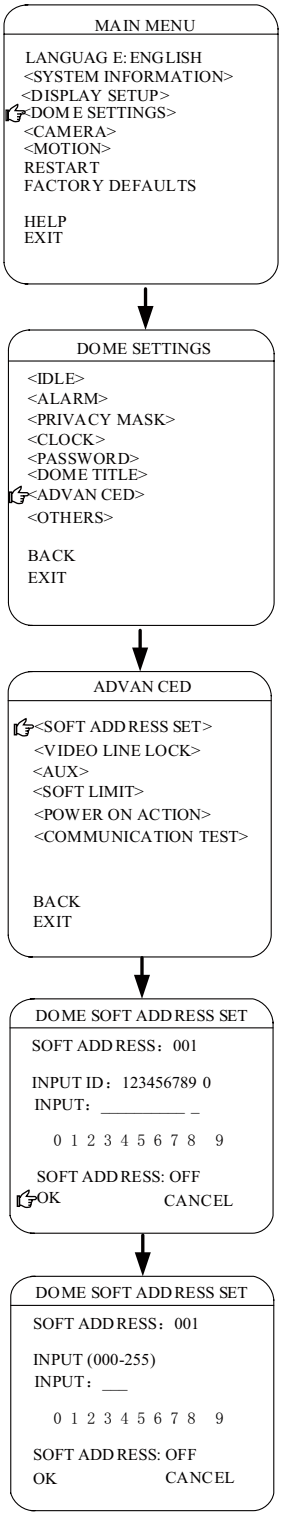
1.Use the joystick to position the cursor beside DOME TITLE.

2.Press Iris Open.The text input window appears on the monitor.

3.Enter text.

4.Use the joystick to position the cursor beside OK,press Iris Open,the text inputed will be saved.

SOFT ADDRESS



Dome support soft address function,use this function bit 7 of setting switch 2 must be set to "on".In this case,address setting switch 1 will be ignored.

1.Before setting soft address,dome id should be inputed.Use the joystick to position the cursor beside"0 1 2 3 4 5 6 7 8 9",press Iris Open,move joystick left or right to select number,press Iris Open,the number selected will be inputed on the upper line.

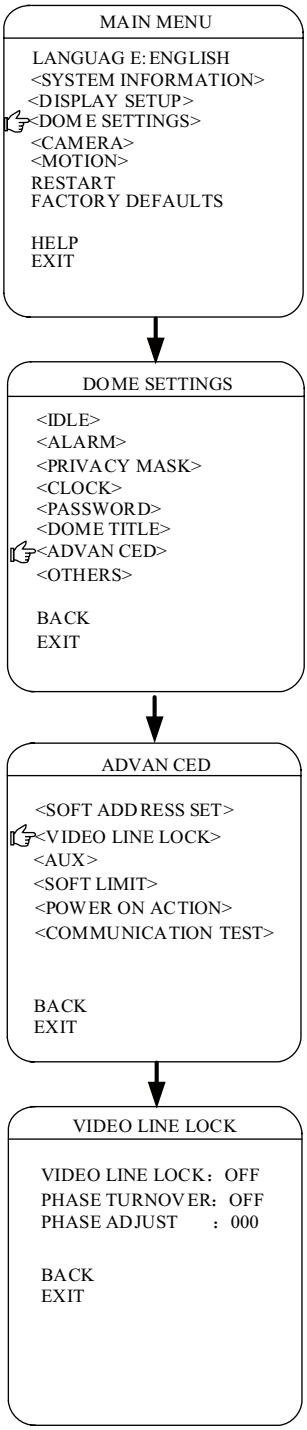
2.Enable or disable soft address function.Use the joystick to position the cursor beside "SOFT ADDRESS:ON/OFF",press Iris Open to enter edition mode,move joystick up or down to select ON or OFF,press Iris Open to confirm.

3.Use the joystick to position the cursor beside "OK",press Iris Open to confirm the dome ID has been inputed.

4.Use the joystick to position the cursor beside"0 1 2 3 4 5 6 7 8 9",press Iris Open.move joystick left or right to select number,press Iris Open,the number selected will be inputed on the upper line.

5.Use the joystick to position the cursor beside OK,press Iris Open to confirm.Then follow the direction display on the screen.

VIDEO LINE LOCK



Line sync refers to a programmable function that allows you to synchronize all cameras within a matrix system.

VIDEO LINE LOCK

ON Adjusts the phase of the line sync to synchronize input power.

OFF The dome synchronizes to the internal clock.

PHASE TURNOVER

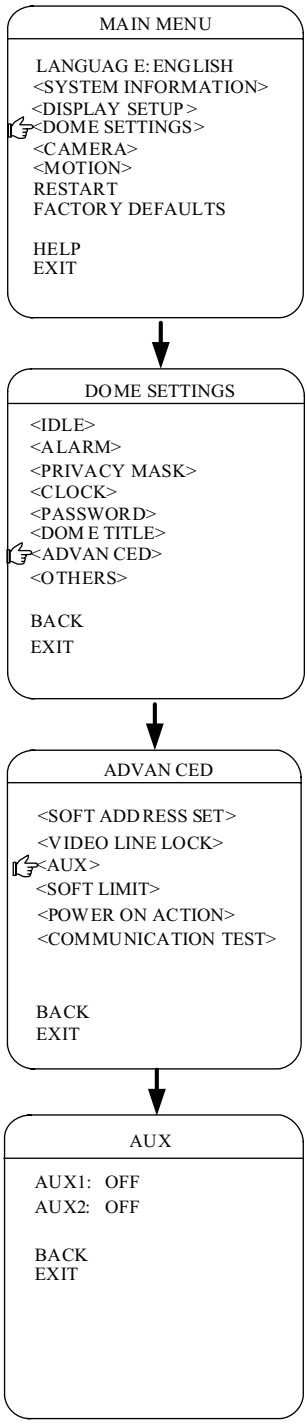
ON Line sync phase turn over 180 degrees.

OFF Line sync phase is not turn over.

PHASE ADJUST

Adjust line sync phase from 0 to 180 degrees.

AUX

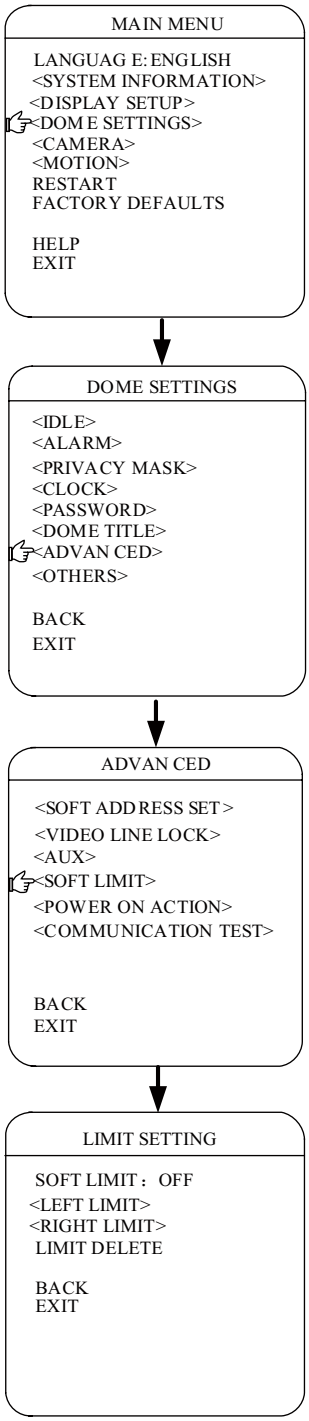


An auxiliary output is a programmable signal from the dome back box that can trigger another device to operate. An auxiliary output is programmable to trigger from an alarm or from a controller.

An AUX 1 command from the controller will activate the relay in the dome and operate the device that is connected to the relay. The output of AUX 1 can be connected to the alarm input of a system switch to activate automatic monitor switching and recording.

An AUX 2 command from the controller will place a ground at the output of AUX 2 to operate the device that is connected to it.

SOFT LIMIT



Limit stops are programmable stops that limit the pan range of the dome. There must be two limits, a left and a right, to define an area.

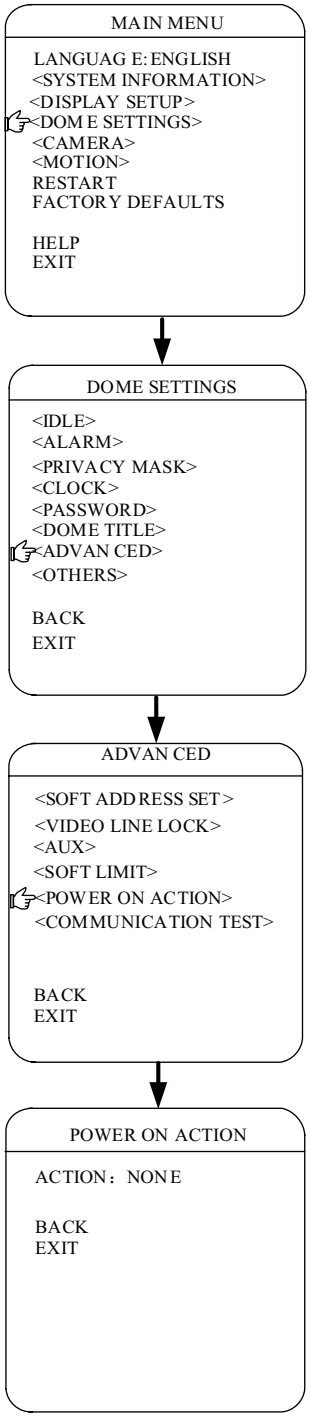
To set manual or scan stops:

1.Use the joystick to position the cursor beside LEFT LIMIT or RIGHT LIMIT.

2.Press Iris Open.

3.Follow the directions displayed on the monitor.

POWER ON ACTION



This setting defines a specific activity (scan, preset, pattern) to be performed in the event the power to the dome is cycled.

The following settings are available:

NONE No action.

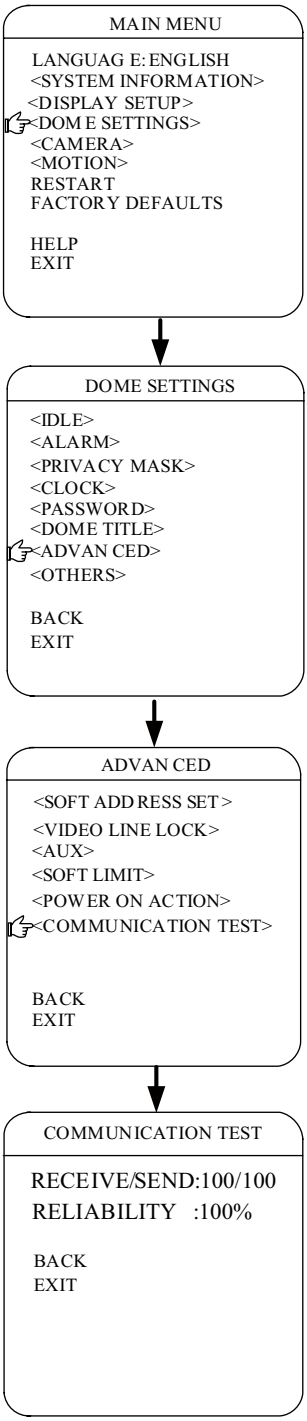
PRESET Dome goes to preset 1.

SCAN Dome starts auto scan operation.

SEQ Dome runs sequence 1.

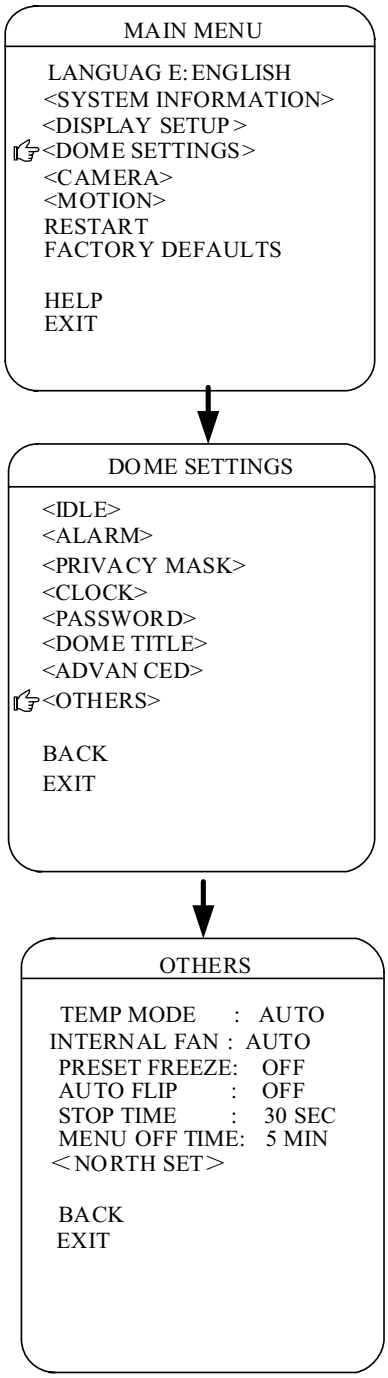
PATTERN Dome runs pattern 1.

COMMUNICATION TEST



Use our special software user can test the reliability of the dome control line.After testing,the reliability value 0-100 will display on the screen.

DOME OTHER SETTINGS



TEMP MODE Temperature control mode

COOL Fan pwoer on,heater auto

AUTO Fan auto,heater auto

HEAT Fan power on,heater power on

OFF Fan power off,heater power off

INTERNAL FAN

Control internal fan speed.

PRESET FREEZE

This feature freezes the scene on the monitor when going to a preset. This allows for smooth transition from one preset scene to another.

AUTO FLIP

When the camera tilts downward and goes just beyond the vertical position, the dome rotates 180 degrees. When the dome rotates (flips), the camera starts moving upward as long as you continue to hold the joystick in the down position. Once you let go of the joystick after the dome

rotates, joystick control returns to normal operation.

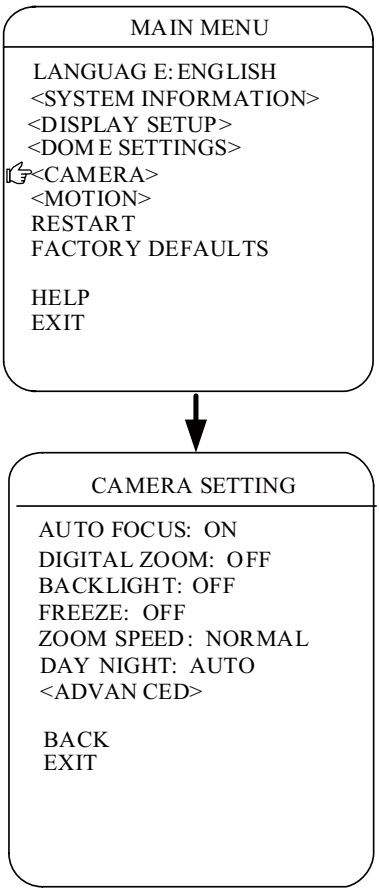
STOP TIME

This is the amount of time the dome stops after receiving the last command.

NORTH SET

North is the pan angle from zero to 359 degrees.zero is the pan position you specify to be the zero degree point. zero is normally set to magnetic north. Once set, north and compass readings are based on the set North Zero point.

CAMERA



AUTO FOCUS

Auto focus allows the lens to remain in focus during zoom-in, zoom-out, and motion functions.

There are two auto focus settings:

ON The camera will focus automatically when using pan, tilt, and zoom functions.

OFF Focus is operated manually.

BACKLIGHT

ON Backlight compensation is activated.

OFF Backlight compensation is not activated.

FREEZE

ON The image on the screen is freezing.

OFF The image on the screen is unfreezing.

ZOOM SPEED

Zoom speed allows the user to define how fast the dome will go from full wide zoom to the max optical zoom.Available zoom speed settings include the following:
HIGH、NORMAL、LOW.

DAY NIGHT

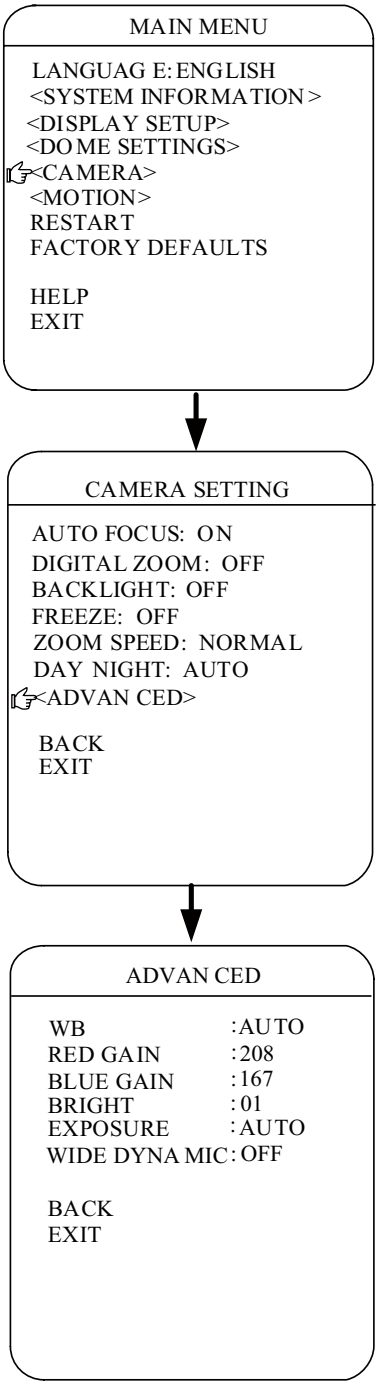
The camera have two modes of operation: color, and black-white. The following are the settings for the IR cut filter:

AUTO Automatic operation is controlled by the auto IR level setting.

COLOR Images are always displayed in color mode.

BW Images are always displayed in black-white mode.

CAMERA ADVANCED



WHITE BALANCE

This feature automatically processes the viewed image to retain color balance over a color temperature range. The default setting for auto white balance is ON.

RED GAIN

Adjusts the picture output in the red range. As you change the value, you will see the color change on your monitor.

BLUE GAIN

Adjusts the picture output in the blue range. As you change the value, you will see the color change on your monitor.

BRIGHT

Set the brightness of image display on the monitor.

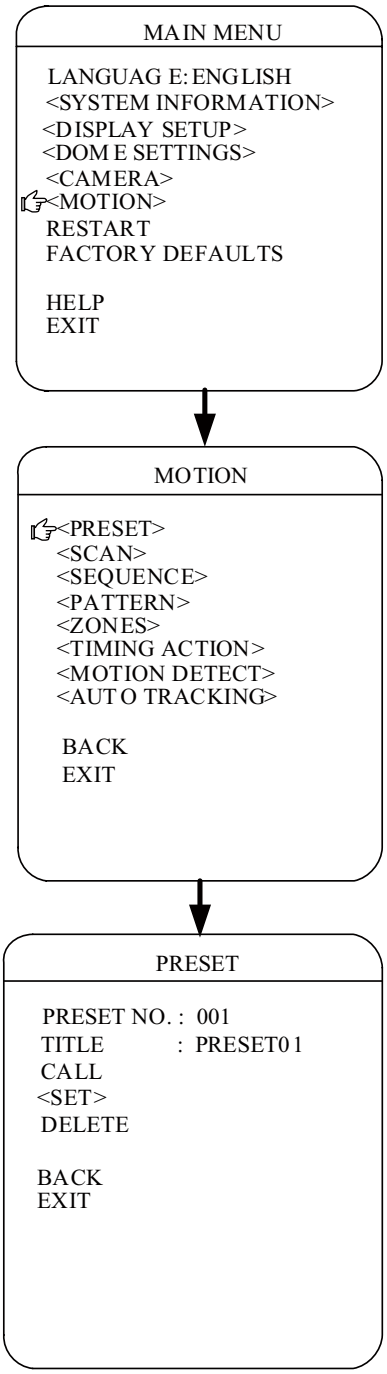
EXPLOSURE

Set the explosure mode of the camera.

WIDE DYNAMIC

Wide dynamic range (WDR) balances the brightest and darkest sections of a scene to produce a picture that is better balanced in lighting and provides more detail.Available settings are OFF and ON. The default setting is OFF.

PRESET



Use the following steps to program a preset.

1. Select the preset number:

a. Use the joystick to position the cursor beside PRESET NO. Press Iris Open.The cursor moves to the right.

b. Move the joystick up or down to view selections. Press Iris Open to enter selection.

2. Edit the preset label:

a. Use the joystick to position the cursor beside TITLE.

b. Follow the directions displayed on the monitor.

3. Edit the preset scene:

a. Use the joystick to position the cursor beside SET.

b. Press Iris Open.

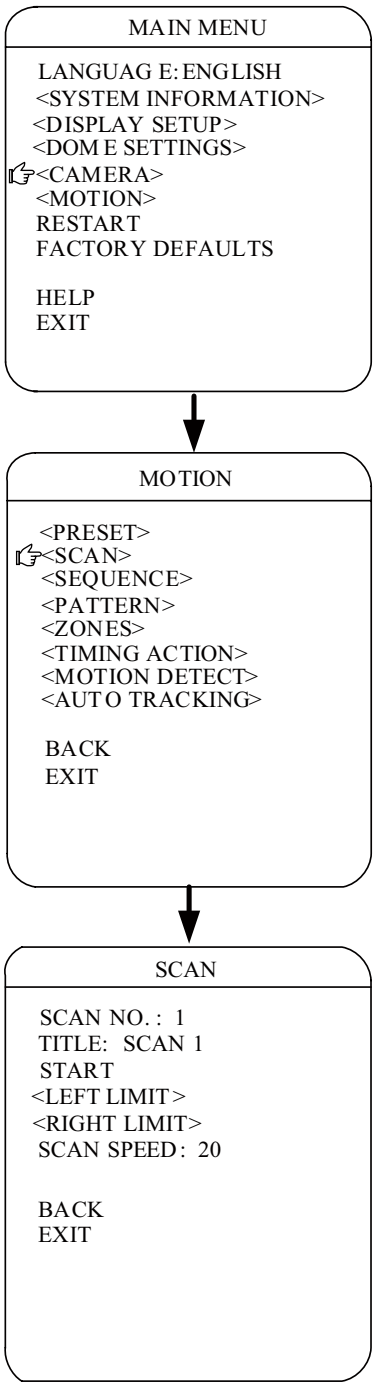
c. Follow the directions displayed on the monitor.

4. Delete the preset scene:

a. Use the joystick to position the cursor beside DELETE.

b. Press Iris Open.

SCAN



SCAN NO.

Use the joystick to position the cursor beside SCAN NO. and press Iris Open to enter the edition mode of scan No., move the joystick up or down to select number. Then press IRIS Open to confirm.

TITLE

Use the joystick to position the cursor beside TITLE and press Iris Open to enter the edition mode of scan title.

START

Use the joystick to position the cursor beside START and press Iris Open to start the current scan.

LEFT LIMIT

Use the joystick to position the cursor beside LEFT LIMIT and press Iris Open to start setting the left limit of the current scan.

RIGHT LIMIT

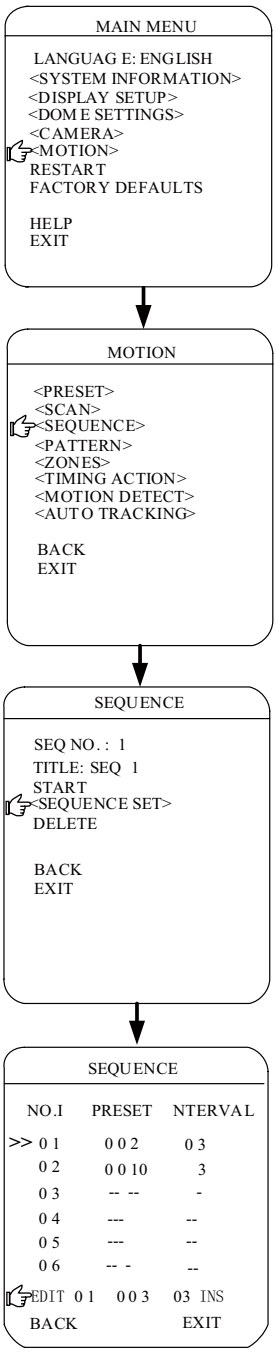
Use the joystick to position the cursor beside RIGHT LIMIT and press Iris Open to start setting the right limit of the
current scan.

SCAN SPEED

Use the joystick to position the cursor beside SCAN SPEED and press Iris Open to enter the edition mode of scan speed.

Move the joystick up or down to select a speed scale, then press Iris Open to confirm. The speed scale ranges from 1-30.

SEQUENCE



SEQ NO.

Use the joystick to position the cursor beside SEQ NO. and press the key Iris Open to enter the edition mode, move the joystick up or down to select number.Then press Iris Open to confirm.

TITLE

Use the joystick to position the cursor beside TITLE and press Iris Open to enter the edition mode of sequence title.

START

Use the joystick to position the cursor beside START and press Iris Open to start the current sequence.

SEQUENCE SET

Use the joystick to position the cursor beside SEQUENCE SET,press Iris Open to enter the sequence setting .

Move the cursor to EDIT and press Iris Open to enter edition mode. Move the joystick right or left to select item.

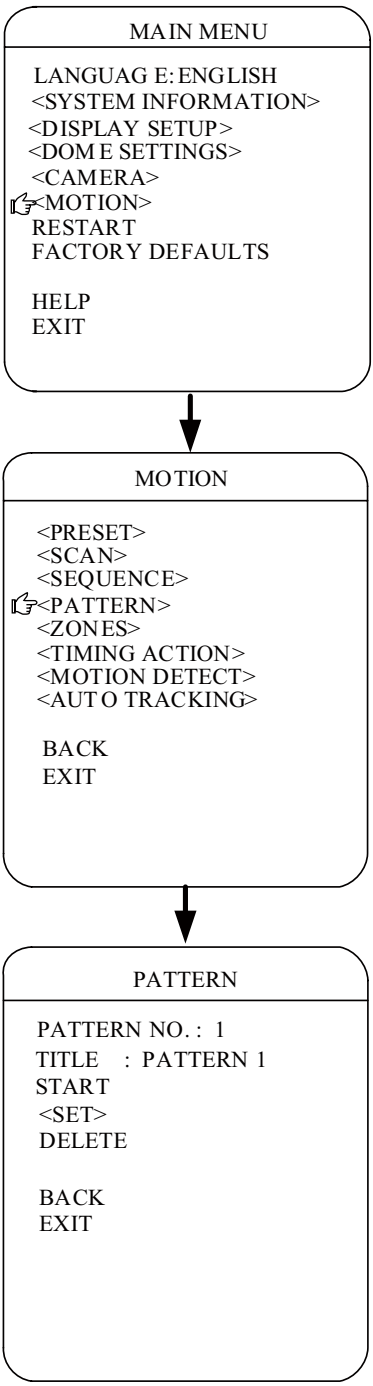
a. When the < > is on the item NO., move joystick up or down to select the NO.ofthe preset in a sequence. There are up to 32 presets in a single sequence.

b. When the < > is on the item PRESET, move the joystick up or down to select the preset NO. you want to add in the sequence.

c.When the < > is on the last item, move the joystick up or down to select edition mode as “insert”, “ok” and “delete”.

d. Press Iris Close to quit the edition.

PATTERN



A pattern is a memorized, repeating series of pan, tilt, zoom, and preset functions that can be recalled with a command from a controller.

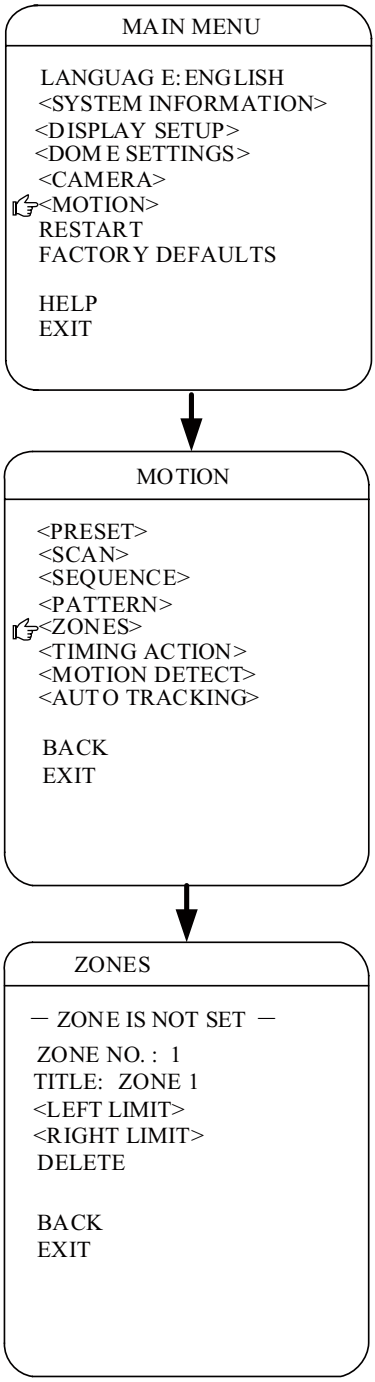
To program a pattern:

1. Use the joystick to position the cursor beside PATTERN NO. Press Iris Open.The cursor moves to the right.
2. Move the joystick up or down to view selections. Press Iris Open to enter selection.
3. Use the joystick to position the cursor beside SET.
4. Press Iris Open. The Patterns programming window appears on the monitor.
5. Follow the directions displayed on the monitor.

To delete a pattern:

1. Use the joystick to position the cursor beside DELETE.
2. Press Iris Open.

ZONES



Horizon dome systems are capable of eight zones, each with a 12-character label.

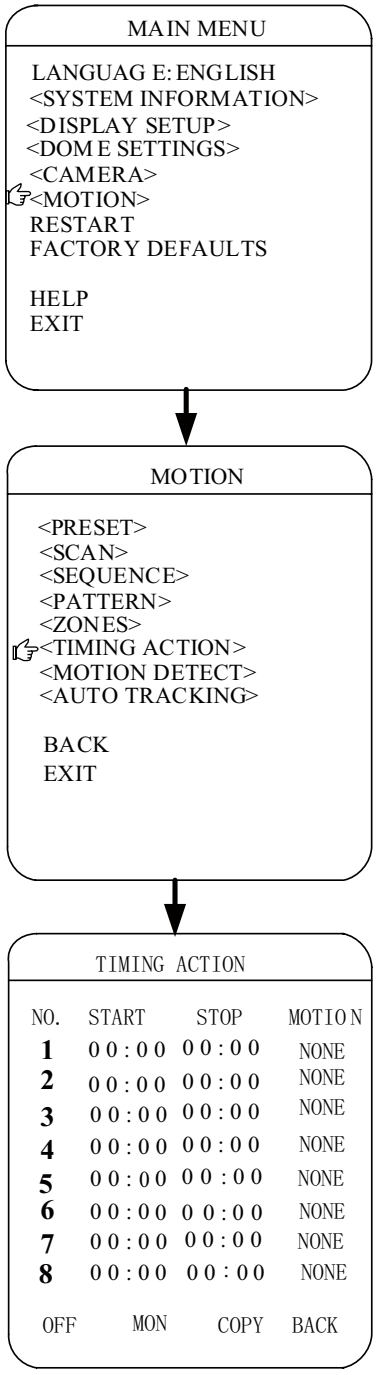
To program a zone:

1. Use the joystick to position the cursor beside ZONE NO. Press Iris Open, and the cursor moves to the right.
2. Move the joystick up or down to view selections. Press Iris Open to enter selection.
3. Use the joystick to position the cursor beside LEFT LIMIT,RIGHT LIMIT.
4. Press Iris Open. The zone programming window appears on the monitor.
5. Follow the directions displayed on the monitor.

To delete a zone:

1. Use the joystick to position the cursor beside DELETE.
2. Press Iris Open.

TIMING ACTION



SCHEDULE NO.

Schedule Number of a day 1-8.

START

Start time of timing action.

STOP

Stop time of timing action.

MOTION

Select timing action during designated periods of time: NONE,PRESET 1-8, SCAN 1-4, SEQUENCE 1-4, PATTERN 1-4

ON/OFF

Enable or disable timing action function. Use the joystick to position the cursor beside ON or OFF. Press Iris Open to enter edition mode.Move joystick up or down to select ON or OFF,press Iris open to confirm.

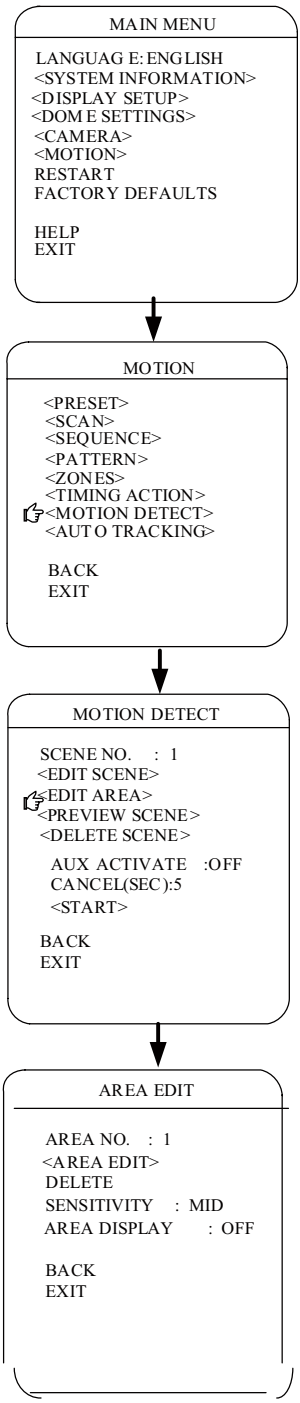
COPY

User can copy a schedule to other 6 days in a week.

BACK

Go back to upper menu.

MOTION DETECT



SCENE NO.

Select motion detection scene number 1-8.

EDIT SCENE

Set motion detection scene.

EDIT AREA

Edit detection areas,four motion detection areas can be defined.

PREVIEW SCENE

Preview motion detection scene and areas.

DELETE SCENE

Delete motion detection scene.

AUX ACTIVATE

Motion detection can be programmed to trigger an auxiliary command when motion is detected.The following are the settings for AUX ACTIVATE: OFF、AUX 1、AUX 2.

CANCEL TIME

Cancel time is the length of time the auxiliary will remain on after motion is detected.

AREA NO.

Select motion detection area number 1-4.

AREA EDIT

Edit motion detection area on the screen.

DELETE

Delete motion detection area.

SENSITIVITY

Set the sensitivity of the motion detection area.The following are the settings for SENSITIVITY:LOW、MID、HIGH.

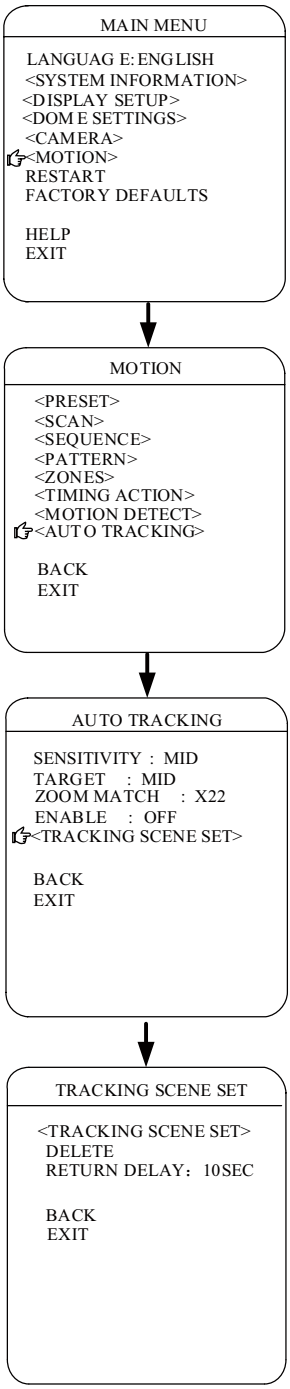
AREA DISPLAY

The following are the settings:

ON Display the area on screen after motion is detected.

OFF Do not Display the area after motion is detected.

AUTO TRACKING



SENSITIVITY

Set the sensitivity of tracking:

HIGH The sensitivity level is high.

MID Average sensitivity.

LOW The sensitivity level is low.

TARGET

Set the tracking target size:

LARGE The tracking target size is large.

MID Average target size.

SMALL The tracking target size is small.

ZOOM MATCH

Zoom match allows the user to define a limitation on the amount of telephoto zoom durning target tracking.

ENABLE

ON Activate auto tracking function.

OFF Deavtivate auto tracking function.

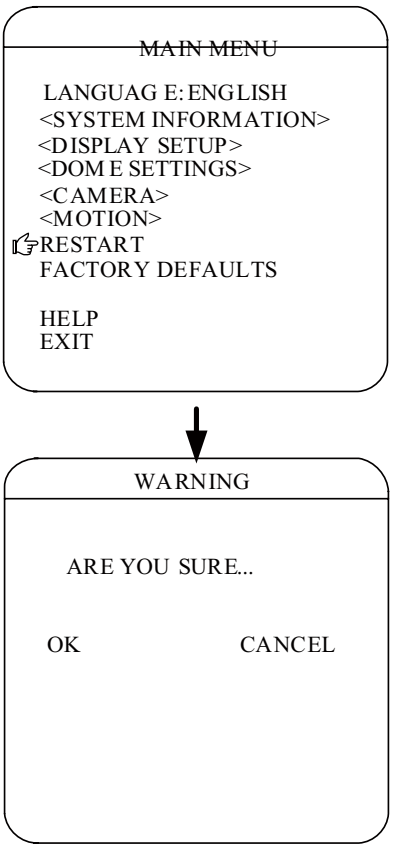
TRACKING SCENE SET

Set the preset scene that the auto tracking function start from.

RETURN TIME

Set the length of the time the dome return to auto tracking preset scene after the last detection of motion target on the screen.

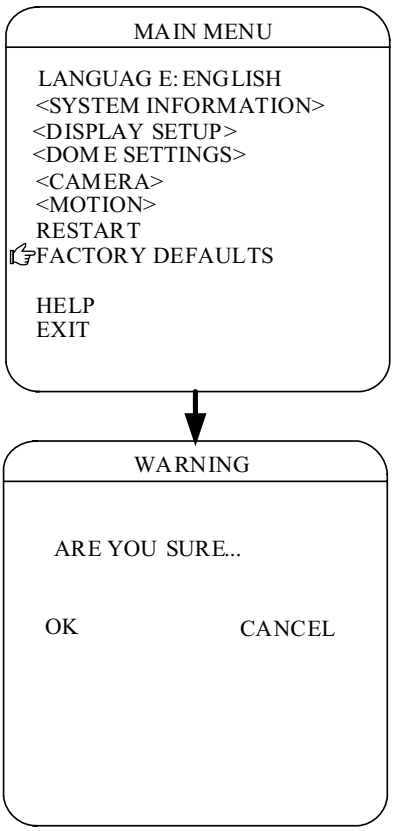
RESTART



RESTART SYSTEM

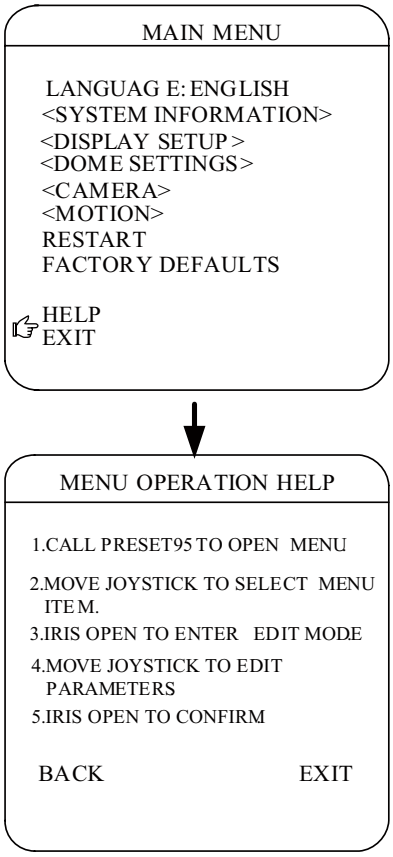
Reboot the system if it is not operating or if there is no control. Rebooting the system will cycle dome and camera power without changing programmed dome settings.

FACTORY DEFAULTS



Restore factory default settings of the dome.

HELP



HELP

Disply menu operating help information on the screen.